

**ABSTRACT**

A wireless communication system performs a handoff in a manner to increase the likelihood of success. A threshold is computed by which the indicator of the target system must exceed the indicator of the source system that is based on the dynamics of the mobile or signal conditions local to the mobile. The indicator may be RTD or  $E_c/I_o$  of the pilot(s) or otherwise. When the threshold level is exceeded, the mobile station is handed off to the target base station.

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